

ALW:dmr 12/08/03 239724.do

Application Number 10/611,580
Attorney's Ref. No. 4072-66232

- 1 -

5

LOBELIA PLANT NAMED 'LILAC CANDLES'

BOTANICAL CLASSIFICATION

Lobelia siphilitica.

10

VARIETY DENOMINATION

'Lilac Candles'.

BACKGROUND OF THE INVENTION

15

The present invention relates to a new and distinct *Lobelia siphilitica* and given the cultivar name 'Lilac Candles'. *Lobelia* is in the family *Lobeliaceae*. This new cultivar originated from several generations of open pollinations between select dwarf *Lobelia siphilitica*.

20

This plant is unique due to its combination of dwarf habit and congested heads of lilac-colored flowers. It is characterized by the following:

1. Dwarf habit.
2. Numerous lilac-colored flowers.
3. Strong, short flowering stems that don't fall over.

25

30

The new variety has been reproduced only by asexual propagation (cuttings and micropropagation). Each of the progeny exhibits identical characteristics to the original plant. Asexual propagation by division and micropropagation as done in Canby, Oregon, shows that the foregoing characteristics and distinctions come true to form and are established and transmitted through succeeding propagations. The present invention has not been evaluated under all possible environmental conditions. The phenotype may vary with variations in environment without a change in the genotype of the plant.

ALW:dnr 12/08/03 239724.dc

Application Number 10/611,580
Attorney's Ref. No. 4072-66232

- 2 -

5

BRIEF DESCRIPTION OF THE DRAWING

The drawing shows a two-year-old *Lobelia* 'Lilac Candles' growing in the trial fields in August in Canby, Oregon.

DETAILED PLANT DESCRIPTION

10

The following is a detailed description of the new *Lobelia* based on observations of a two-year-old specimen grown in the field in Canby, Oregon. The color descriptions are all based on the *Royal Horticultural Society Colour Chart*.

Botanical name: *Lobelia siphilitica*

15 Cultivar name: 'Lilac Candles'

Parentage: *Lobelia siphilitica* compact forms in Open Pollination.

Plant:

20

Type - Herbaceous perennial.

Hardiness - USDA Zones 4 to 9.

Size - 40 cm wide and 35 cm tall.

Form - Basal clump.

Leaf:

25

Type - Simple.

Shape - Obovate.

Arrangement - Rosette to alternate up flowering stem.

Blade length - 8.5 cm.

Blade width - 5.8 cm.

30

Margins - Irregularly serrate.

Apex - Obtuse to acute.

Base - Attenuate.

Texture - Smooth.

Surface - Matte.

ALW:dnr 12/08/03 239724.dk

Application Number 10/611,580
Attorney's Ref. No. 4072-66232

- 3 -

- 5 *Vestiture* - Sparsely pubescent.
 Venation - Pinnate.
 Petiole length - 4 to 7 cm.
 Color - Topside - Green 137A.
 Bottom - Closest to Green 138B.

10 **Inflorescence:**

- Type* - Terminal raceme.
 Peduncle -

 Height: 35 cm.
 Diameter: 5 to 7 mm.

- 15 *Vestiture*: Glabrous to sparsely pubescent.
 Color: Yellow Green 144A.

Pedicel -

 Length: 7 mm.
 Texture: Sparsely pubescent.

- 20 *Color*: Yellow Green 144B.

Flower number - 80 to 100 per raceme with secondary flowers later in the leaf axils.

Flower Bud:

- 25 *Size* - 19 mm deep and 6 mm wide.
 Shape - Oblong, tube-like on bottom 2/3 then constricted and top ovoid with an acute tip.
 Color - Lavender, Violet Blue 91A to B with yellow green after the constriction, Yellow Green 150C.

30

Flower:

- Type* - Zygomorphic
 Shape - Bilabiate
 Size - 2.5 cm deep and 1.8 cm wide.

ALW:dmr 12/08/03 239724.do

App. Number 10/611,580
Attorney's Ref. No. 4072-66232

- 4 -

- 5 *Corolla* - Slit 7/8 down on the upper side between the two upper lobes, upper lobes recurve and are 11 mm long and 4 mm wide. Lower three lobes close together and 10 mm long and 3 mm wide. Tube is 14 mm long and 8 mm wide.

Texture - Satiny.

- 10 *Color* - Lavender, Violet Blue 92A to 91C.

Calyx - 5 deeply cut acuminate lobes, linear lanceolate, parted to corolla base.

Calyx lobe size - 15 mm deep and 6 mm wide at base.

Calyx color - Green 137A.

Pistil - 2 cm. long, Yellow Green 145B.

- 15 *Stamen number* - 5 in a column around the stigma.

Filament length - 1.7 cm.

Anther size before dehiscent - 0.5 cm.

Pollen color - Yellow 11A.

Bloom period - July and August in Canby, Oregon.

- 20 *Fragrance* - None.

Fruit:

Number - 50 to 100 per raceme.

Shape - Ovoid.

- 25 *Size* - 9 mm wide and 8 mm deep.

Type - Dehiscent capsule.

Color - Tan, Grey Brown 199D.

Seed:

- 30 *Size* - 0.5 mm.

Color - Black 202A.

Shape - Ovoid.

Fertility - Fertile.

ALW:dnr 12/08/03 239724.doc

Application Number 10/611,580
Attorney's Ref. No. 4072-66232

- 5 -

5 Pest Resistance: No observed pest resistance.

Disease:

Lobelia are susceptible to rust, smut, and leaf spots. None of these have been observed on plants grown under commercial conditions in Canby, Oregon.

10

COMPARISONS TO SIMILAR *LOBELIA*

Compared to the species, *Lobelia siphilitica*, *Lobelia siphilitica* 'Lilac Candles' is much more compact and with many more flowers congested together on the flowering stems. The flowers are lilac-colored rather than blue, there are also more flowering stems

15 than usual.

Compared to *Lobelia siphilitica* compact forms used for the open pollination, this new variety is lilac-colored rather than blue, and has superior flower number.

ALW:dnr 12/08/03 239724.d

Application Number 10/611,580
Attorney's Ref. No. 4072-66232

- 6 -

5 I CLAIM:

A new and distinct cultivar of *Lobelia siphilitica* plant substantially as shown and described.

10

ALW:dnr 12/08/03 239724.doc

Application Number 10/611,580
Attorney's Ref. No. 4072-66232

- 7 -

5.

LOBELIA PLANT NAMED 'LILAC CANDLES'

ABSTRACT

A new and distinct cultivar of *Lobelia* plant characterized by a dwarf habit, and strong, short flowering stems of numerous lilac-colored flowers.

ALW:dnr 12/08/03 239760.d

MARKED UPApplication Number 10/611,580
Attorney's Ref. No. 4072-66232

- 1 -

5

LOBELIA PLANT NAMED 'LILAC CANDLES'**BOTANICAL CLASSIFICATION***Lobelia siphilitica.*

10

VARIETY DENOMINATION*'Lilac Candles'.***BACKGROUND OF THE INVENTION**

15

The present invention relates to a new and distinct *Lobelia siphilitica* and given the cultivar name 'Lilac Candles'. *Lobelia* is in the family *Lobeliaceae*. This new cultivar originated from several generations of open pollinations between select dwarf *Lobelia siphilitica*.

20

This plant is unique due to its combination of dwarf habit and congested heads of lilac-colored flowers. It is characterized by the following:

1. Dwarf habit.
2. Numerous lilac-colored flowers.
3. Strong, short flowering stems that don't fall over.

25

The new variety has been reproduced only by asexual propagation (cuttings and micropropagation). Each of the progeny exhibits identical characteristics to the original plant. Asexual propagation by division and micropropagation as done in Canby, Oregon, shows that the foregoing characteristics and distinctions come true to form and are established and transmitted through succeeding propagations. The present invention has not been evaluated under all possible environmental conditions. The phenotype may vary with variations in environment without a change in the genotype of the plant.

30

ALW:dtr 12/08/03 239760.d

MARKED UPApplication Number 10/611,580
Attorney's Ref. No. 4072-66232

- 2 -

5

BRIEF DESCRIPTION OF THE DRAWING

The drawing shows a two-year-old *Lobelia* 'Lilac Candles' growing in the trial fields in August in Canby, Oregon.

DETAILED PLANT DESCRIPTION

10

The following is a detailed description of the new *Lobelia* based on observations of a two-year-old specimen grown in the field in Canby, Oregon. The color descriptions are all based on the *Royal Horticultural Society Colour Chart*.

Botanical name: *Lobelia siphilitica*

15

Cultivar name: 'Lilac Candles'

Parentage: *Lobelia siphilitica* compact forms in Open Pollination.

Plant:

20

Type - Herbaceous perennial.

Hardiness - USDA Zones 4 to 9.

Size - ~~45~~40 cm. wide and ~~40~~35 cm. tall.

Form - Basal clump.

Leaf:

25

Type - Simple.

Shape - Obovate.

Arrangement - Rosette to alternate up flowering stem.

Blade length - 8.5 cm.

Blade width - 5.8 cm.

30

Margins - Irregularly serrate.

Apex - Obtuse to acute.

Base - Attenuate.

Texture - Smooth.

~~Aspect~~Surface - Matte.

ALW:dnr 12/08/03 239760.doc

MARKED UPApplication Number 10/611,580
Attorney's Ref. No. 4072-66232

- 3 -

5 *Vestiture* - Sparsely pubescent.*Venation* - Pinnate.*Petiole length* - 4 to 7 cm.*Color* - Topside - Green 137A.

Bottom - Closest to Green 138B.

10 *Inflorescence*:*Type* - Terminal raceme.*Peduncle* -Height: ~~48~~35 cm.

Diameter: 5 to 7 mm.

15 *Vestiture*: Glabrous to sparsely pubescent.*Color*: Yellow Green 144A.*Pedicel* -Length: ~~0.5 cm~~, 7 mm.

Texture: Sparsely pubescent.

20 *Color*: Yellow Green 144B.*Flower number* - 80 to 100 per raceme with secondary flowers later in the leaf axils.*Flower Bud*:25 *Size* - ~~3.7 cm~~, 19 mm deep and ~~0.7 cm~~, 6 mm wide.*Shape* - Oblong-~~Tube~~, tube-like on bottom 2/3 then constricted and top ovoid with an acute tip.*Color* - Lavender, Violet Blue ~~91B~~ 91A to B with yellow green after the constriction, Yellow Green 150C.

30

Flower:*Type* - Zygomorphic.*Shape* - Bilabiate.*Size* - 2.5 cm- deep and 1.8 cm- wide.

ALW:dnr 12/08/03 239760.dk

MARKED UPApplication Number 10/611,580
Attorney's Ref. No. 4072-66232

- 4 -

5 | *Corolla* - Slit $\frac{3}{4}$ 7/8 down on the upper side between the two upper lobes, upper lobes recurve and are ~~7~~ 11 mm long and 4 mm wide. Lower three lobes close together and ~~1.4 cm~~ 1.0 mm long and ~~6~~ 3 mm wide. Tube is ~~2 cm~~ 14 mm long and ~~0.5 cm~~ 8 mm wide.

Texture - Satiny.

10 | *Color* - ~~Lilac~~ Lavender, Violet Blue 92A to 91C.

Calyx - 5 deeply cut acuminate lobes, linear lanceolate, parted to corolla base.

Calyx lobe size - ~~2.7 cm~~ 15 mm deep and ~~2.5~~ 6 mm wide at base.

Calyx color - ~~Yellow~~ Green 144A 137A.

Pistil - 3.42 cm. long - ~~Lilac 155A~~, Yellow Green 145B.

15 | *Stamen number* - 5 in a column around the stigma.

Filament length - 1.7 cm.

Anther size before dehiscent - 0.5 cm.

Pollen color - ~~White 155A~~ Yellow 11A.

Bloom period - July and August in Canby, Oregon.

20 | *Fragrance* - None.

Fruit:

Number - 50 to 100 per raceme.

Shape - Ovoid.

25 | *Size* - ~~2~~ 9 mm wide and ~~4~~ 8 mm long deep.

Type - Dehiscent capsule.

Color - Tan, Grey Brown 199D.

Seed:

30 | *Size* - 0.5 mm.

Color - Black 202A.

Shape - Ovoid.

Fertility - Fertile.

ALW:dar 12/08/03 239760.doc

MARKED UPApplication Number 10/611,580
Attorney's Ref. No. 4072-66232

- 5 -

- 5 Pest Resistance: No observed pest resistance.

Disease:

Lobelia are susceptible to rust, smut, and leaf spots. None of these have been
observed on ~~plant~~plants grown under commercial conditions in Canby, Oregon.

10

COMPARISONS TO SIMILAR *LOBELIA*

- 15 Compared to the species, *Lobelia siphilitica*, *Lobelia siphilitica* 'Lilac Candles' is
much more compact and with many more flowers congested together on the flowering
stems. The flowers are lilac-colored rather than blue, there are also more flowering stems
than usual.

Compared to *Lobelia siphilitica* compact forms used for the open pollination, this
new variety is lilac-colored rather than blue, and has superior flower number.

ALW:dnr 12/08/03 239760.do

MARKED UPApp. Number 10/611,580
Attorney's Ref. No. 4072-66232

- 6 -

5 I CLAIM:

A new and distinct cultivar of *Lobelia siphilitica* plant substantially as shown and described, ~~characterized by a dwarf habit, and strong, short flowering stems of numerous lilac-colored flowers.~~

10

ALW:dnr 12/08/03 239760.do

MARKED UPAp. tion Number 10/611,580
Attorney's Ref. No. 4072-66232

- 7 -

5 |

LOBELIA SIPHILITICA PLANT NAMED 'LILAC CANDLES'

ABSTRACT

A new and distinct cultivar of *Lobelia* plant characterized by a dwarf habit, and strong, short flowering stems of numerous lilac-colored flowers.